

# **TENDER DOCUMENTS**

## **Hybrid AWS Sensors/Spares**



No. I&P/AWS/Spares/25-26

Pakistan Meteorological Department

Sector H-8/2,

Islamabad,

January, 2026

## **Tender Notice**

Sealed Tenders are invited on **F.O.R Islamabad basis Through PPRA EPADS** from reputed Suppliers / Authorized Dealers registered with Income Tax and Sales Tax Departments for supply of the following Laboratory Items/ Equipment/ Spares in order to enhance accuracy, reliability, and environmental safety:

<b>S. No</b>	<b>Items Name</b>	<b>Closing Date &amp; Time</b>	<b>Bid Opening Date &amp; Time</b>
1.	Spares of Hybrid Automatic Weather Station (AWS)	19-02-2026 at 10:30PST	19-02-2026 at 11:00PST

### **Terms and Conditions:**

1. Bid Security 3,000,000/- (three million rupees) in shape of Bank Draft / Pay Order in favor of D.G. Met. Services, Islamabad should be submitted with the Bid.
2. The quantity of the items can be increased/ decreased subject to funds availability.
3. Incomplete or late received offer will not be considered, closing date and time of Bid is 19<sup>th</sup> February, 2026. at 1030PST and opening date and time is 19<sup>th</sup> February, 2026 at 1100PST.
4. The Procuring Agency reserves the right to cancel the bidding process at any stage without assigning any reason.
5. The successful bidders will furnish performance guarantee in the shape of CDR/Pay Order/Bank Draft/Bank Guarantee @ 5% of his supply order in favour of D.G. Met. Services.
6. Method of Single Stage Two Envelope Bidding Procedure under Rule 36(b) of Public Procurement Rules, 2004 will be used.
7. Bidding documents having detailed specifications are available free of cost at the website [www.pmd.gov.pk](http://www.pmd.gov.pk) PPRA EPADS [www.eprocure.gov.pk](http://www.eprocure.gov.pk) as well as [www.ppra.org.pk](http://www.ppra.org.pk)

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***Note: All Firms are directed to quote their Bids online through PPRA E-PADS as well as original Bids must be submitted in hard forms to I&P Section, PMD Headquarters office, Islamabad***

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# **Section 1**

## **Specifications**

## 1. Introduction: -

Pakistan Meteorological Department (PMD) is an Executive Department of Government of Pakistan, Ministry of Defence (Defence Division), Islamabad. PMD provides valuable meteorological & seismological services to different stakeholders in the country including private and public sector.

The Pakistan Meteorological Department (PMD) is progressively replacing the faulty sensors of instruments installed with advanced digital systems in order to enhance accuracy, reliability, and environmental safety. In this regard, PMD intends to procure and install spares of Automatic Weather Stations systems designed to maintain international standards and best practices and strengthening of manual observational network.

These systems will provide real-time, precise, and continuous meteorological observations, while ensuring compatibility with PMD's existing infrastructure for data collection, archiving, and dissemination.

The transition to digital sensors is aimed at:

- Improving measurement precision and long-term data stability.
- Supporting improved weather forecasting and climate monitoring capabilities.

This document outlines the technical specifications, functional requirements, and supply scope for the procurement, installation, testing, and commissioning of the compact digital weather monitoring systems across designated PMD stations.

### **SPARES OF HYBRID AUTOMATIC WEATHER STATION (AWS)**

Sr. No.	Item	Item Composition	Model	Qty
<b>Automatic Weather Observation System</b>				
1	Wind Speed and Direction Sensor		FTJ500S	18
2	Temperature Sensor		TPT100S	20
3	Humidity Sensor		TH-01	50
4	Barometer		DPS80	13
5	Rain Gauge		TKF-1	12
6	Sunshine Duration Sensor		SDM14	20
7	Solar Radiation Sensor		FMP1	20
8	Soil Moisture Sensor	Soil Moisture Sensor	S20-6-JB	14
		Extension Poles - 1000, 500, 300, 200, 100, 50mm	6 poles Installation Kit	10

9	AWS Observation system Data Logger	AWS Observation system Data Logger	DLM	13
<b>Manual Weather Observation System (MWS)</b>				
10	Weather Observation Data Processing Unit	Data Processing Unit	MetDPU	20
		GSM/GPRS Modem	RV50	10
11	Solar Power Controller	Solar Power Controller	SPC-30	23
12	RS-485 surge protector		CITEL (DLA-06D3)	40
13	RS-485 surge protector		Sankosha (ZP-H2-H1)	45
14	AC Surge protector multipolar		CITEL (DS70R-230)	40
15	DC Surge protector multipolar		CITEL (DS220-24DC)	40
16	RS-485 Isolated Data Repeater		Serial Comm (REP-485/422-9E)	55

## 2. Conclusion:

The faulty sensors currently deployed will be replaced to ensure accurate data collection and operational efficiency. This replacement activity is being carried out in response to the directive from the Government of Pakistan, which has emphasized the need to repair and upgrade the system to enhance reliability and performance. Once the new sensors are installed and tested, the system's monitoring capabilities will be restored to full functionality, reducing the risk of data loss or inaccurate readings and ensuring continued compliance with government standards for reliability and safety.

## Terms & Conditions:

1. **Earnest money/ Bid Security** 3,000,000/- (three million rupees) in the shape of Bank Draft/Pay order in favour of D.G Met. Services must be submitted with the offer.
2. Bidders must submit copies of their registration of Sales Tax and Income Tax.
3. Eligibility Criteria: Participating firm must be, fully experienced and registered with Govt. Authorities (FBR etc.).
4. Bidder must submit on stamp paper
  - (i) That there are no pending liabilities in respect of the bidder/ firm against any government/semi-government department/ organization
  - (ii) That the bidder has not been black listed by any government/ semi-government department/ organization. Legal documents can be asked by the buyer, if required.
5. **BID VALIDITY:** Bids shall remain valid for a period of at least **120 days** after the date of opening of financial proposals.

In exceptional circumstances, prior to expiry of the original bid validity period, the Buyer may request that the bidders extend the period of validity for a specified additional period. The request and the responses there to shall be made in writing or by electronic mode. A bidder will not be required or permitted to modify its bid, but will be required to extend the validity of its bid security for the period of the extension.
6. All bidders are advised to comply strictly with the document specifications/ terms & conditions.
7. **Prices must be quoted in Pak Rupees only including all applicable Govt. of Pakistan taxes & GST.**
8. **The successful bidders will furnish performance guarantee in the shape of CDR/Pay Order/Bank Draft/ Bank Guarantee @ 5% of his supply order in favour of D.G. Met. Services.**
9. The last date for the submission of tender is 19<sup>th</sup> February, 2026 at 10.30 Hours PST and will be opened on the same day at 1100 hours PST in the presence of bidders or their representatives.
10. Goods as per specifications must be received within stipulated time as and when decided in contract agreement, after the issuance of supply order, **and the supplier will be responsible for replacement of items**, if found defective during inspection / warranty period.
11. The quantity of the items can be increased/ decreased.
12. The Procuring Agency reserves the right to cancel the bidding process at any stage without assigning any reason.
13. Taxes will be deducted as per Government rules.
14. The payment against supply of items will be made through crossed cheque(s) in Pak Rupees by the Department to the supplier after satisfactory supply of goods and technical report submitted by the Technical Committee.
15. Any bid found in deviation / violation / without earnest money would liable to be rejected.
16. Bidding documents having detailed specifications are available free of cost at the website [www.pmd.gov.pk](http://www.pmd.gov.pk) PPRA EPADS [www.eprocure.gov.pk](http://www.eprocure.gov.pk) as well as [www.ppra.org.pk](http://www.ppra.org.pk)